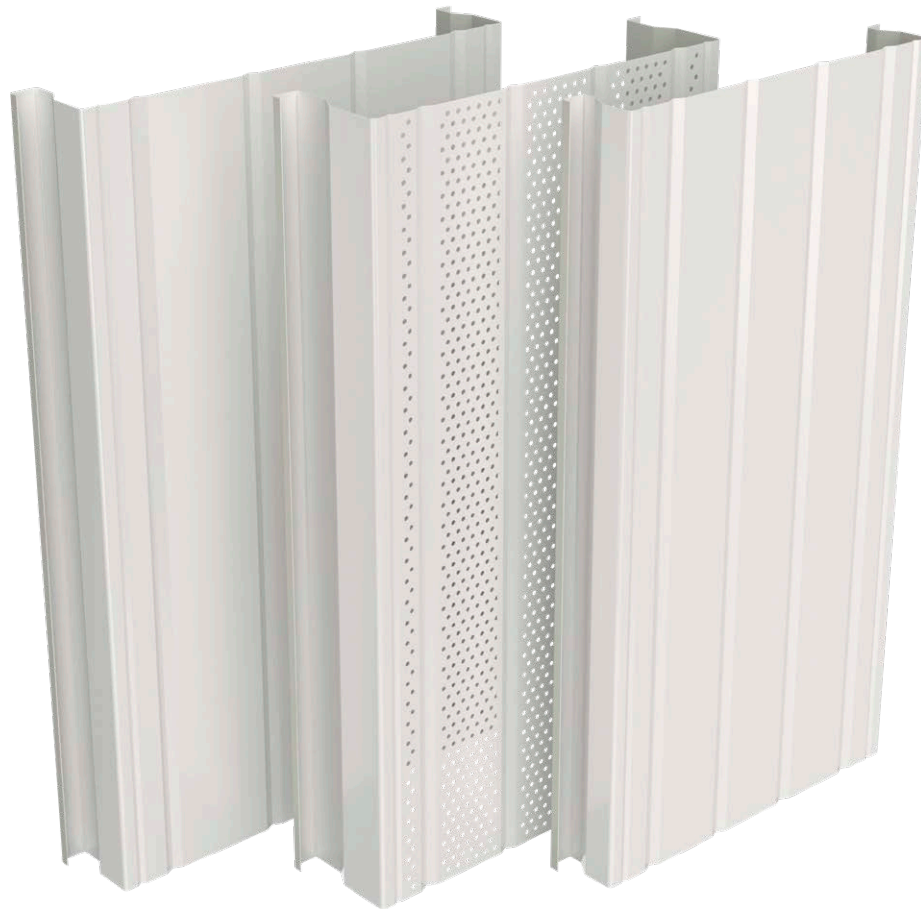


PLATEAU[®]

DATASHEET

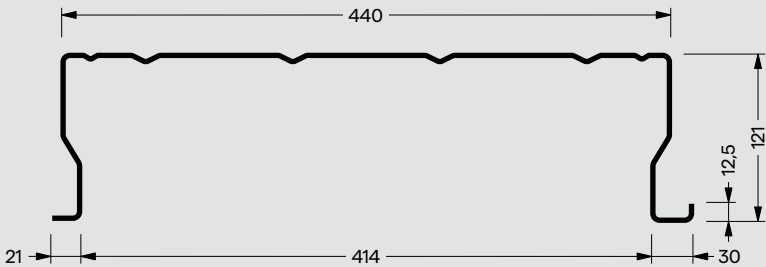


PLATEAU[®] 440

361metal



SECTION GEOMETRY



GROSS SECTION PROPERTIES

SECTION	WEIGHT	HEIGHT	WIDTH	THICKNESS		GROSS SECTION PROPERTIES										
				Nomi.	Effect.											
		h	b	t _{nom}	t _{eff}	A _{gross}	I _{y, gross}	I _{z, gross}	W _{y, gross}	W _{z, gross}	I _w	I _t	Y _{cg}	Y _{cc}	Z _{cg}	Z _{cc}
	Kg/m	mm	mm	mm	mm	mm ²	×10 ⁴ mm ⁴	×10 ⁴ mm ⁴	mm ³	mm ³	×10 ⁶ mm ⁶	mm ⁴	mm	mm	mm	mm
Plateau® 440×0,60	3,57	120	465	0,60	0,56	425	76,9	1212,0	8457	51627	25207	44	235	244	89	165
Plateau® 440×0,70	4,17	120	465	0,70	0,66	501	90,7	1428,4	9962	60846	97080	73	235	244	89	165
Plateau® 440×0,75	4,47	120	465	0,75	0,71	538	97,6	1536,6	10714	65456	31959	91	235	244	89	165
Plateau® 440×1,00	5,95	120	465	1,00	0,96	728	131,9	2077,7	14467	88504	43212	224	235	244	89	165
Plateau® 440×1,20	7,14	120	465	1,20	1,16	880	159,4	2510,6	17462	106940	52210	395	235	244	89	165

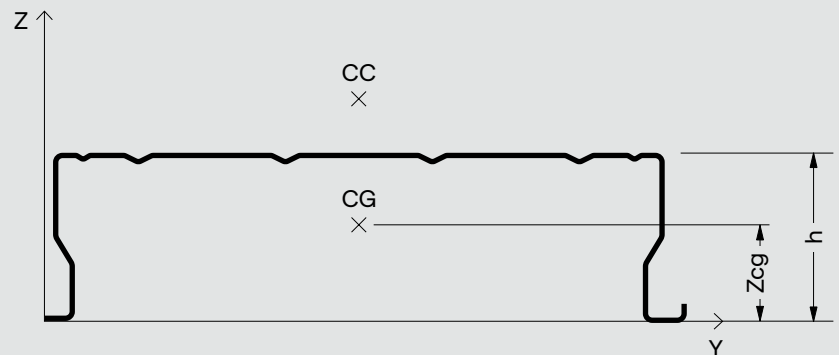
Note: the weights indicated in the tables are estimated theoretical weights based on the nominal dimensions of the cross-section, and variations may occur within the tolerances provided for in the EN 10051 standard.

EFFECTIVE SECTION PROPERTIES

S320 GD																							
SECTION	COMPRESSION			Y-AXIS POSITIVE FLEXION					Y-AXIS VEGATIVA FLEXION					Z-AXIS POSITIVE FLEXION					Z-AXIS VEGATIVA FLEXION				
	A _{eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{y,eff}	W _{y,eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{y,eff}	W _{y,eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{z,eff}	W _{z,eff}	Y _{cg,eff}	Z _{cg,eff}	A _{eff}	I _{z,eff}	W _{z,eff}	Y _{cg,eff}	Z _{cg,eff}
	mm ²	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm	mm ²	×10 ⁴ mm ⁴	mm ³	mm	mm
Plateau® 440×0,60	161	238	75	218	47,8	6751	237	64	385	52,5	5139	235	97	305	828,6	28876	179	87	302	800,2	27586	293	85
Plateau® 440×0,70	213	238	75	270	59,3	8094	237	67	466	67,6	6745	234	95	373	1046,6	37470	187	87	369	1014,0	35850	285	85
Plateau® 440×0,75	240	238	75	308	65,2	8768	237	68	507	75,5	7582	234	94	407	1157,7	41922	191	87	403	1123,3	40157	282	85
Plateau® 440×1,00	387	238	74	452	95,3	12230	238	72	710	117,6	12077	234	91	582	1724,8	65211	203	86	580	1683,3	62867	269	85
Plateau® 440×1,20	516	238	75	568	119,5	15005	238	73	847	147,2	15223	234	91	727	2189,6	84868	210	86	726	2154,1	82558	262	85

Subtitle

A _{gross}	Gross cross-sectional area
I _{y, gross}	Inertia of the gross section yy-axis
I _{z, gross}	Inertia of the gross section zz-axis
I _w	Warp constant
I _t	Torsion inertia
CG	Centre of gravity coordinates
CC	Cutting centre coordinates
A _{eff}	Effective section area
I _{y, eff}	Inertia of the effective section yy-axis
W _{y, eff}	Flexural modulus of the effective section yy-axis
I _{z, eff}	Inertia of the effective section zz-axis
W _{z, eff}	Flexural modulus of the effective section zz-axis



BRAGA (HEADQUARTERS)

Rua da Quinta, N° 1
4705-475 Esporões Braga, Portugal
+351 253 086 750

VILA REAL

Estrada Nacional 15, N° 2029
5000-121 Justes, Vila Real, Portugal
+351 259 331 778

VILA NOVA DE GAIA

Rua da Junqueira de Baixo, N° 131
4405-870 Vila Nova de Gaia, Portugal
+351 227 629 539

COIMBRA

Bairro Industrial da Pedrulha
3021-901 Coimbra, Portugal
+351 913 700 458

info@361metal.com
361metal.com

